






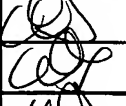



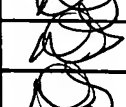

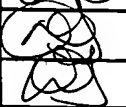
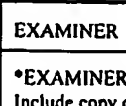
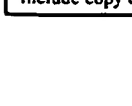


Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. P23690		Serial No. 10/646,724	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)					Applicant Hiroshi NOMURA			
					Filing Date August 25, 2003		Group 2851	



U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	YEAR	CLASS	DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2004	/0	0	4	2	0	9	5	03/04/04	NOMURA			
	2004	/0	0	4	2	0	9	3	03/04/04	NOMURA			
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		4	7	2	1	9	7	2	01/26/88	WAKABAYASHI			
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		4	4	5	1	1	2	9	05/29/84	IKARI et al.			

EXAMINER <u>D. Gray</u>	DATE CONSIDERED <u>9/2/09</u>
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<b>U.S. PATENT DOCUMENTS</b>													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4	6	4	3	5	5	4	02/17/87	OGAWA			
		4	7	7	1	3	0	3	09/13/88	MATSUMOTO et al.			
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		5	1	3	6	3	2	4	08/04/92	TSUBOI et al.			
		5	7	6	5	0	4	9	06/09/98	HASE et al.			
		5	8	3	2	3	2	6	11/03/98	TANAKA			
		6	3	6	6	3	2	3	04/02/02	SHONO			
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		6	0	7	5	6	5	5	06/13/00	FUNAHASHI			
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	2003	/0	0	8	1	3	2	7	05/01/03	NOMURA et al.			
	2002	/0	1	3	5	8	9	6	09/26/03	NOMURA et al.			
		6	0	5	5	1	1	6	04/25/00	NOMURA et al.			
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		5	4	3	0	5	1	6	07/04/95	UZIIE et al.			
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	5	7	3	9	9	6	2	04/14/98	ASAKURA et al.				
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	5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.				
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EXAMINER <u>J. Gray</u>										DATE CONSIDERED <u>9/2/04</u>			

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
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<b>FOREIGN PATENT DOCUMENTS</b>															
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
	58	-	1	4	5	9	3	0	08/31/83	JAPAN					
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<b>EXAMINER</b> <u>D. Gray</u> <b>DATE CONSIDERED</b> <u>9/2/09</u>															
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FOREIGN PATENT DOCUMENTS																
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		10	-	3	2	7	4	0	02/03/98	JAPAN				X		
	7	-	2	8	8	7	2	4	10/31/95	JAPAN				X		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	English Language Abstract of JP 58-10708.
	2	English Language Abstract of JP 2003-207709.
	3	English Language Abstract of JP 2002-277719.
	4	English Language Abstract of JP 10-282394.
	5	English Language Abstract of JP 58-162914.

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